

Catalog No.: RP00199 **Recombinant**

Species	Gene ID	Swiss Prot
Human	2675	O00451

C-His

GFRA2;GDNFRB;NRTNR-
ALPHA:NTNRA:BETL2:TRNB2

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE

Calculated MW	Observed MW
47.59 kDa	70-75 kDa

< 0.1 EU/μg of the protein by LAL method.

Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Glial cell line-derived neurotrophic factor (GDNF) and neurturin (NTN) are two structurally related, potent neurotrophic factors that play key roles in the control of neuron survival and differentiation. The protein encoded by this gene is a member of the GDNF receptor family. It is a glycosylphosphatidylinositol(GPI)-linked cell surface receptor for both GDNF and NTN, and mediates activation of the RET tyrosine kinase receptor. This encoded protein acts preferentially as a receptor for NTN compared to its other family member, GDNF family receptor alpha 1. This gene is a candidate gene for RET-associated diseases.

Recombinant Human GDNFR- α 2/GFRA2 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ser22-Ser441) of human GFRA2/GFRA2/GDNFRB (Accession #NP_001486.4) fused with a 6xHis tag at the C-terminus.

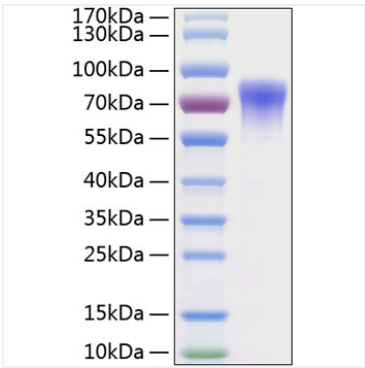
Measured by its binding ability in a functional ELISA. Immobilized recombinant Human Neurturin at 5 µg/mL (100 µL/well) can bind recombinant Human GFRA2, the EC₅₀ of Human GFRA2 is 1.82 µg/mL.

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

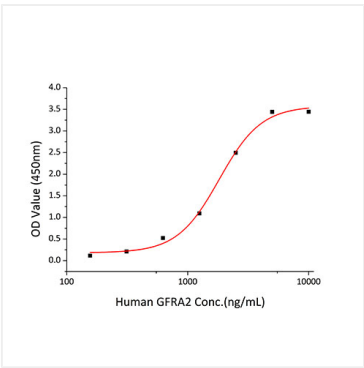
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human GDNFR-alpha-2/GFRA2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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